



ALABAMA EMERGENCY MANAGEMENT AGENCY HAZARD MITIGATION GRANT PROGRAM



PROJECT APPLICATION

Applicant **Mobile County Emergency Management Agency**
(Must be a State or Local government, Federally recognized Indian tribe, or certain PNP)

Project Location **348 North McGregor Ave., Mobile County, Al. 36608**
(Street, city, county, and state)

Project Title (descriptive) **Change 46 Siren System to Narrowbanding per FCC Mandate, with Siren Receivers**

Estimated Project Cost (total)
\$ **94,185.00**

Please submit the original application and one (1) copy.

THIS SECTION FOR STATE USE ONLY

- ☐ Standard HMGP or
- ☐ HMGP 5% Initiative
- ☐ FMA
- ☐ Other _____
- ☐ Initial Submission or
- ☐ Resubmission
- ☐ Completeness Checklist
- ☐ State 409 Plan
- ☐ Eligible Applicant
- ☐ B/C Analysis

- Project Type(s)**
- ☐ Acquisition/Demolition
 - ☐ Acquisition/Relocation
 - ☐ Elevation
 - ☐ Drainage
 - ☐ Wind Retrofit
 - ☐ Tornado
 - ☐ Seismic Retrofit
 - ☐ Other _____

Community NFIP Status:

- ☐ Participating Community
- ID #: _____
- ☐ CRS Participant
- ☐ In Good Standing
- ☐ Sanctioned
- ☐ Regulatory Floodway
- ☐ Coastal V-Zone

State Application ID _____

Date Received _____

State Reviewer _____

Reviewer Phone # _____

Reviewer Fax # _____

Reviewer Email: _____

This application is for all Federal Emergency Management Agency (FEMA Region IV) Hazard Mitigation Grant Program (HMGP) proposals. Please complete ALL sections and provide the documents requested. If you require technical assistance with this application, please contact Alabama Emergency Management Mitigation Division at (205) 280-2476.

A. To Fill Out This Application: complete all sections of the main application AND the following worksheets, if applicable:

- **Acquisition Worksheet:** *Acquisition Projects* only – one per structure; owners' names required
- **Elevation Guidelines/Worksheet:** *Elevation Projects* only – one per structure
- **Drainage Worksheet:** *Drainage Projects* only
- **Wind Retrofit Worksheet:** *Wind Retrofit Projects* only – one per structure
- **Alert and Notification Systems Worksheet:** one per site (see also III-B-5 below)
- **Generator Worksheet:** one per site (see also III-B-5 below)
- **Generator Data Sheet:** one per site (see also III-B-5 below)

B. Applicant Information

1. Applicant (Organization) Mobile County Emergency Management Agency

2. Applicant Type

☒ State or Local Government ☐ Recognized Indian Tribe ☐ Private Non-Profit

3. County / Counties Mobile

4. State Legislative district(s): H: 96-105 S: 33,34,35 Congressional District(s) 1

5. Tax I.D. Number 63-6002277 FIPS Code 01097 DUNS Number 03 330 90 35

6. Point of Contact

☒ Mr. ☐ Ms. ☐ Mrs. First Name DAVID Last Name ROBERTS

Title ELECTRONICS OFFICER

Street Address 348 North McGregor Ave.

City Mobile State AL Zip Code 36608

Telephone (251) 460-8000 Fax (251) 460-8035

Email Address droberts@mcema.net

7. Application Prepared by

☒ Mr. ☐ Ms. ☐ Mrs. First Name DAVID Last Name ROBERTS

Title ELECTRONICS OFFICER

Telephone (251) 460-8000 Fax (251) 460-8035

Email Address droberts@mcema.net

8. **Authorized Applicant Agent**☐ Ms. ☒ Mr. ☐ Mrs. First Name **RONNIE** Last Name **ADAIR**Title **DIRECTOR** Telephone **(251) 460-8000** Fax **(251) 460-8035**Street Address **348 North McGregor Ave.**City **Mobile** State **AL** Zip Code **36608**Email Address (if available) **radair@mcema.net****Date****Signature**

NOTE: *If your project is approved, work must begin within 90 days of the obligation of funds*

I. Planning Requirement

For all disasters declared after November 1, 2004, a community must have a FEMA approved Local Hazard Mitigation Plan in order to be eligible for HMGP.

Date of Plan Approval: **March 22, 2011**

Section and Page in Plan Where Project is Included: **Part II, Chapter 2 Mobile County Community Action Program, page 2-9, Goal, Objectives and Mitigation Measures 3.10 Disaster Warning: Improve public warning systems, 3.10.4 Upgrade siren warning systems to provide complete coverage to all jurisdictions**

Describe how project is consistent with the risk assessment, goals and actions in plan: **Project will allow major public warning system to remain in service**

Please include copy of page where project is included, not the entire plan **See attached sheet.**

II. History of Hazards / Damages in the Area to be Protected*

In this section describe all past damages from hazardous events (include name of storms if applicable) in the project area. Include Presidentially declared disasters as well as events that did not result in a Presidential declaration. Do not list county-wide or community-wide damages. Damages described must be site specific.

A. Overview of Past Damages

Provide a detailed past history of damages in the project area, including direct and indirect costs. Include information for as many past incidents as possible. Attach any supporting documents, i.e. proofs of loss, PW's, force account logs. Direct costs should include damages to structures and infrastructure in the project area as a result of the hazard. Indirect costs should include the cost to the local government to respond to victims of the hazard in the project area, any interruption to local businesses, and losses of public services.

*** For Acquisitions and Elevations, provide an overview in this section and specific damages to each property in the Individual Property Worksheets.**

Date	Level of Event	Damages	Indirect costs (describe)
<i>[e.g. 10/7/89]</i>	<i>50 year flood</i>	<i>Total of \$195,000 in damages to 16 homes in project area</i>	<i>Emergency Services Evacuation of 58 people.]</i>
<i>e.g. 8/18/92</i>	<i>100 year flood</i>	<i>Total of \$1,895,000 in damages to 23 homes in project area</i>	<i>Emergency Services Evacuation of 108 people.]</i>
09/15/2004	Hurricane Ivan	\$11,197,626.43	
07/10/2005	Hurricane Dennis	\$ 1,667,079.90	
08/28/2005	Hurricane Katrina	\$22,797,939.66	

See attached sheets

III. Project Description

A. Project Description / Protection Provided

Describe, in detail, the proposed project. Also, explain how the proposed project will solve the problem(s) and provide the level(s) of protection described in Section B. If any other projects are underway or proposed in the project area, please describe. Also describe any planned, future development in the project area. Please include building code requirements for new development and substantial improvements in the community (use additional page, if necessary)

This project will bring the siren communications into compliance with the Federal Communications Mandate that communications systems in this frequency band must be converted to narrowband emission by 1/1/13. Failure to do this will result in the shutdown of the entire Outdoor Siren Warning system for all of Mobile County. Implementation of this project will ensure the continued operation of this warning siren system which warns the civil population of tornadoes and other extreme weather situations, as well as hazardous materials accidents and incidents and the need to evacuate or shelter in place.

B. Hazards to be Mitigated / Level of Protection

1. Select the type of hazards the proposed project will mitigate:

☐ Flood ☒ ***Wind*** ☐ Seismic ☒ Other (or list) ***Hazardous Material release***

2. Fill in the level of protection the proposed project will provide (e.g. 23 structures protected against the 100-year (1%) flood. List data in Flood Levels (10,25, 50, 100...) mph winds or Mercalli Scale Earthquake (1-12)

_____ structures protected against the _____

_____ structures protected against the _____

_____ structures protected against the _____

_____ structures protected against the _____

3. **Engineered Projects Only** (e.g. Drainage Improvements)

Include (attach to this page) **ALL** engineering calculations used to determine the above level of protection.

The following documents are attached:

4. **Useful life of the project**

Proposed project will provide protection against the hazard(s) above for **10** years.

5. **Alert and Notification/Generator Projects**

Alert and Notification (Siren) projects require a specification sheet for each site, and Generator projects require a generator data sheet per each system on site.

IV. **Project Location** (If project is involving multiple locations, provide project location information for each site on worksheet)

Fully describe the location of the proposed project.

A. **Site**

1. **Physical Location**

Describe the area and/or population affected/protected by this project, include the location (street number/name, city, county, zip codes, latitude/longitude in decimal format). Please specify whether the site is in incorporated limits or unincorporated county.

See attached Worksheet

2. **Population Affected**

Provide the number for each type of structure (listed below) in the project area. Include **all** structures in project area.

- _____ residential properties
- _____ businesses / commercial properties
- _____ public buildings
- _____ schools / hospitals / houses of worship
- _____ residents

B. **Legible Copy of Flood Insurance Rate Map (FIRM) showing Project Site. *Please provide either Letter (8.5" x 11") or Legal (8.5" x 14") size maps.***

☐ Attach a copy of the panel(s) from the FIRM, and, if available, the Floodway Map, (along With the appropriate flood profile and discharge tables from the community FIS) with the project site and structures marked on the map (FIRMs are typically available from your local floodplain administrator who may be located in the planning, zoning, or engineering office. Maps can also be ordered from the Map Service Center at 1-800-358-9616. For more information about FIRMs, contact your local agencies or visit the FIRM site on the FEMA WebPage at <http://msc.fema.gov>).

Using the FIRM, determine the flood zone(s) of the project site (Check all zones in the project area).

- ☐ VE or V 1-30
- ☐ AE or A 1-30
- ☐ AO or AH
- ☐ A (no base flood elevation given)
- ☐ B or X (shaded)
- ☐ C or X (unshaded)
- ☐ Floodway
- ☐ Coastal Barrier Resource Act (CBRA) Zone (Federal regulations strictly limit Federal funding for projects in this Zone; please coordinate with your state agency before submitting an application for a CBRA Zone project)

- ☐ **If the FIRM for your area is not published**, please attach a copy of the Flood Hazard Boundary Map (FHBM) for your area, with the project site and structures marked on the map

Project Location Continued

C. City or County Map with Project Site and Photographs (*All Maps Are Mandatory*)
Please provide either Letter (8.5" x 11") or Legal (8.5" x 14") size maps.

- ☒ Attach a copy of a city or county scale map (large enough to show the entire project area) with the project site and structures marked on the map.
- ☐ USGS 1:24,000 topo map with project site marked on the map.
- ☐ For **acquisition** or **elevation** projects, include a copy of the Parcel Map (Tax Map, Property Identification Map, etc.) with each property in the project clearly marked on the map. Use SAME ID number as in the property worksheet.
- ☐ Attach project area photographs from at least two different angles (2 copies each). The photographs should include relevant streams, creeks, rivers, etc. and drainage areas which affect the project site or will be affected by the project.

Attach 2 copies of each site photograph here

Clearly label the back of each photo

Notes:

V. Scope of Work / Budget

In this section, provide the details of all costs of the project. As this information is used for the Benefit-Cost Analysis, reasonable cost estimates are essential. As project administrative costs are calculated on a sliding scale, **do not** include this in the budget. List all items and costs in line item fashion. Please note if the line item is to be funded by cash or provided by in-kind resources by marking the C (for cash) or I (for in-kind) column as applicable. **Do not include contingency costs in the budget.**

A. Materials

C	I	Item	Dimension	Quantity	Cost per Unit	Total Cost
√		Siren receiver/Controller, for Federal Sirens FCU		12	\$ 1,570.00	\$ 18,840.00
√		Siren Receiver/Controller, for Federal Sirens AR		7	\$ 1,735.00	\$ 12,145.00
√		Siren Receiver/Controller, Whelan WS-404		4	\$ 2,000.00	\$ 8,000.00
√		Siren Receiver/Controller, Whelan Vortex		8	\$ 2,000.00	\$ 16,000.00
√		Siren Receiver/Controller, Whelan WPS-2800		13	\$ 2,000.00	\$ 26,000.00
√		Siren Receiver/Controller, Whelan WPS-2900		2	\$ 2,000.00	\$ 4,000.00
					\$	\$
					\$	\$
					\$	\$
					\$	\$
					\$	\$
		TOTAL MATERIAL			\$	\$ 84,985.00

B. Labor (include equipment costs)

C	I	Description	Hours	Rate	Cost
√		Install all new Siren Receiver/Controllers	92	\$ 100.00	\$ 9,200.00
				\$	\$
				\$	\$
				\$	\$
				\$	\$
				\$	\$
				\$	\$
				\$	\$
		TOTAL LABOR		\$	\$ 9,200.00

C. Fees Paid (include any other costs associated with the project, i.e., permit costs, etc.)

C	I	Description	Hours	Rate	Cost
				\$	\$
				\$	\$
				\$	\$
				\$	\$
				\$	\$
				\$	\$
				\$	\$
				\$	\$
				\$	\$

Total Project Cost:

\$ 94185.00

Total In-Kind Cost:

\$

D. Funding Sources (round figures to the nearest dollar) The maximum FEMA share for HMGP projects is 75%. The other 25% can be made up of State and Local funds as well as in-kind services. HMGP funds may be packaged with other Federal funds, but other Federal funds (except for Federal funds which lose their Federal identity at the State level – such as CDBG, ARC, HOME) may not be used for the State or Local match.

<i>Estimated FEMA Share</i>	<u>\$70,638.75</u>	<u>75</u>	% of Total
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Non-Federal Share

Estimated Local Share (Include In-Kind Value)	\$23,546.25	<u>25</u>	% of Total
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List Funding Sources _____

Estimated State Share	% of Total
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List Funding Sources _____

Estimated Other Agency Share

\$ _____ % of Total

Identify Other Non-Federal Agency _____

Other Non-FEMA Federal Funds \$ _____ **Do Not Include In Total**

Identify Other Federal Agency _____

Scope of Work/ Budget Continued

E. Project Milestones List the major milestones in this project. Itemize each completion phase of project. For example, Ordering of Materials for Elevation – 60 days; Elevation of Structure – 90 days, etc.

Milestone	Number of Days to Complete	
<i>[e.g. Elevation of Structure</i>	<i>90 days]</i>	
Description: Order Repeater	Timeframe:	2 Days
Description: Order Receiver/Controllers	Timeframe:	2 Days
Description: Receive Narrowband UHF Repeater	Timeframe:	60 Days
Description: Receive Narrowband Siren Receivers/Controllers	Timeframe:	65 Days
Description: Install, Program, Configure and check New UHF repeater	Timeframe:	65 Days
Description: Install all Receiver/Controllers in sirens in county locations	Timeframe:	85 Days
Description: Test/inspect all installs, and checkout	Timeframe:	89 days
Description:	Timeframe:	
Description:	Timeframe:	
Description:	Timeframe:	
Description:	Timeframe:	
Description:	Timeframe:	
Description:	Timeframe:	
Description:	Timeframe:	
Description:	Timeframe:	
Description:	Timeframe:	
Description:	Timeframe:	
Description:	Timeframe:	
Description:	Timeframe:	
Description:	Timeframe:	
Description:	Timeframe:	
Description:	Timeframe:	
Total Days:	89 Days	

F. Benefit Cost Ratio: THIS IS AN INITIATIVE PROJECT

Attach Copy of Benefit Cost Analysis and All Supporting Documentation. *Not Required for Initiative Projects.* For help or information on obtaining FEMA Mitigation BCA Toolkit, call 866-222-3580.

VI. Alternative Actions

This application cannot be reviewed if this section is incomplete.

List **two feasible** alternative projects to mitigate the hazards faced in the project area. One alternative is the "No Action Alternative" (section A).

A. No Action Alternative. *Note: As of July 2006, this is all that is required for Alert and Notification and Generator Projects in the Alternative Actions section.*

Discuss the impacts on the project area if no action is taken.

No Alternative Action: complete Shutdown entire Outdoor Warning Siren System.

B. Other Feasible Alternative

Discuss a feasible alternative to the proposed project. This could be an entirely different mitigation method or a significant modification to the design of the current proposed project. Please include scope of work, engineering details (if applicable), estimated budget and the impacts of this alternative.

1. Other Feasible Project Description and Scope of Work

Describe, in detail, the alternative project. Also, explain how the alternative project will solve the problem(s) / provide protection from the hazard(s).

2. Other Feasible Project Location

- ☐ Attach a map or diagram showing the alternative site in relation to the proposed project site.
- ☐ Attach two Photographs of alternative site(s)

Attach 2 copies of each photograph here

Clearly label the back of each photo.

Alternative Actions Continued

- C. Funding Sources (round figures to the nearest dollar)** The maximum FEMA share for HMGP projects is 75%. The other 25% can be made up of State and Local funds as well as in-kind services. HMGP funds may be packaged with other Federal funds, but other Federal funds (except for Federal funds which lose their Federal identity at the State level – such as CDBG, ARS, HOME,) may not be used for the State or Local match.

Estimated FEMA Share \$ _____ _____ % of Total

Non-Federal Share

Estimated Local Share \$ _____ _____ % of
(Include In-Kind Value) Total

List Funding Sources _____

Estimated State Share \$ _____ _____ % of
List Funding Sources Total

List Funding Sources _____

Estimated Other Agency Share \$ _____ _____ % of
List Other Non-Federal Agency Total

List Other Non-Federal Agency _____

Other Non-FEMA Federal Funds \$ _____ **Do Not Include In Total**

List Other Federal Agency _____

D. Impacts of Other Feasible Alternative Project

Discuss the impact of this alternative on the project area. Include comments on these issues: Environmental Justice; Endangered Species; Wetlands; Hydrology (Upstream and Downstream Impacts); Floodplain/ Floodway; Historic Issues; Hazardous Materials.

VII. Environmental Documents

The applicant ***must*** provide the following environmental documentation to FEMA before starting construction activity **or** jeopardize project funding. Please see the "ALABAMA Greenbook" (Appendix "A") for additional guidance and contact information. Please do not submit the "Greenbook" with your application.

The Following Types of Projects Do Not Require Environmental Documentation:

- Development of Mitigation Plans
- Inspection and monitoring activities
- Studies involving only staff time and funding
- Training activities using existing facilities

Other projects require certain environmental documentation depending upon the project type and its potential effects on the physical, biological and built environment. The various types of projects and their required environmental documentation follow: (x=required)

	Engineering Plans/Tech Specs	ADEM Concurrence	US Fish and Wildlife	US Army Corps of Engineers	US Dept. of Agriculture (NRCS)	National Marine Fisheries Service (NMFS)	State Historic Preservation Officer (SHPO)
Retrofits	x						x
Elevation	x						x
Acquisitions with demolition		x	x	x			x
Drainage	x	x	x	x	x	x	x
Construction on previously disturbed land	x	x					x
Construction on previously undisturbed land	x	x	x	x	x	x	x
Fixed Generators		x					x
Portable Generators							
Sirens	x						x

NOTE; TECHNICAL SPECIFICATIONS ARE ATTACHED; LETTER TO SHPO ATTACHED

Warning Systems, Shutters, And Communication Projects

- Coordination from the State Historic Preservation Officer (SHPO) regarding cultural resources (archeological and historical). ***Provide the SHPO with:***
 - a description of the project referencing structure/site addresses
 - a map of sufficient scale and detail that shows the project site and surrounding project area (Area of Potential Effects)
 - several original photographs of the project site and adjacent area/structures
- * See also - additional documentation section

**Acquisition/Demolition, Elevation and Individual Safe Room Projects
Residential Sites Require**

- Coordination from the State Historic Preservation Officer (SHPO) regarding cultural resources (archeological and historical). ***Provide the SHPO with:***
 - a description of the project referencing structure/site addresses
 - a map of sufficient scale and detail that shows the project site and surrounding project area (Area of Potential Effects)
 - several original photographs of the project site and adjacent area/structures

Commercial/Industrial Sites also require:

- Coordination from the Alabama Department of Environmental Management regarding hazardous waste and toxic materials.

Acquisition/Relocation Projects (Residential Only)
And
Stormwater Management Projects
(Road/Bridge/Culvert Repair, Detention Ponds and Drainage)

Coordination from the following Federal and State agencies:

- State Historic Preservation Officer (SHPO) regarding cultural resources (archeological and historical). ***Provide the SHPO with:***
 - several original photographs of the project site and adjacent area/structures
- Alabama Department of Environmental Management regarding required permits for erosion and sediment control, stormwater management, water and air quality
- Alabama Department of Environmental Management regarding hazardous and toxic materials
- U.S. Army Corp of Engineers District regarding Individual (404 Wetlands) Permit or approval under an existing Nationwide Permit
- U.S. Fish and Wildlife Service regarding Federal Threatened and Endangered Species
- Alabama Department of Conservation and Natural Resources regarding fish and wildlife
- Alabama Department of Conservation and Natural Resources regarding Threatened and Endangered Species

Provide the following documentation to each agency listed above:

- a description of the project referencing structure/site addresses
- a map of sufficient scale and detail that shows the project site and surrounding project area (Area of Potential Effects)

* See also - additional documentation section

Additional Documentation

- *If the project involves five or more acres of land* – provide a NPDES permit from the U.S. Environmental Protection Agency
- *If the project is located outside of town/city limits* - provide documentation from the USDA National Resource Conservation Service (Prime, Unique or other Important Farmlands).
- *If the project is located in a coastal area* - provide letters from the:
 - Alabama Department of Environmental Management (Coastal Unit)
 - U.S. Fish and Wildlife Service (Coastal Barrier Resources Act and Coastal Barrier Improvement Act)
 - U.S. Dept. of Commerce National Marine Fisheries Service (Commercial fishing and breeding grounds)
- *If the project will affect any low-income or minority groups in the project area* – provide applicable Environmental Justice information (census, economics, housing and employment).

FEMA Can Provide Additional Environmental Technical Assistance. Your State Hazard Mitigation Officer Can Provide FEMA Environmental Points Of Contact.

Additional Documentation and/or Site Visits May Be Required For Final Environmental Review

VIII. MAINTENANCE AGREEMENT

All applicants whose proposed project involves the retrofit or modification of existing public property or whose proposed project would result in the public ownership or management of property, structures, or facilities, must first sign the following agreement prior to submitting their application to FEMA.

(NOTE: those applicants whose project only involves the retrofitting, elevation, or other modification to private property where the ownership will remain private after project completion DO NOT have to complete this form.)

The County (City, Town, County) of Mobile, State of AL, hereby agrees that if it receives any Federal aid as a result of the attached project application, it will accept responsibility, at its own expense if necessary, for the **routine** maintenance of any real property, structures, or facilities acquired or constructed as a result of such Federal aid. Routine maintenance shall include, but not be limited to, such responsibilities as keeping vacant land clear of debris, garbage, and vermin; keeping stream channels, culverts, and storm drains clear of obstructions and debris; and keeping detention ponds free of debris, trees, and woody growth.

The purpose of this agreement is to make clear the Subgrantee's maintenance responsibilities following project award and to show the Subgrantee's acceptance of these responsibilities. It does not replace, supercede, or add to any other maintenance responsibilities imposed by Federal law or regulation and which are in force on the date of project award.

Signed by Ronnie Adair (printed or typed *name of signing official*) the duly authorized Director (*title*) of Mobile County EMA (*name of applicant*),
this 16 (*day*) of September (*month*), 2011 (*year*).

Signature _____

IX. Applicants Certification

Each applicant whose proposed project involves elevation of one or more residential structures or relocation or acquisition and demolition of such structures shall sign the following certification: each owner must also provide "Model Acknowledgement of Conditions for Mitigation of Property in a Special Flood Hazard Area with FEMA Grant Funds" to ensure the property is insured in the National Flood Insurance Program (NFIP). For additional information, contact your State Hazard Mitigation Officer (SHMO).

I, _____, _____, of
 (print name) (title)
 _____ certify that all owners of property listed in
 this _____
 (town, city, or county organization)
 have been contacted and have voluntarily expressed a willingness to participate in the proposed project. Any structures elevated or retrofitted shall be covered by flood insurance for the life of the structure.

Additionally, the _____ understands that any and all
(town, city, or county organization)
property acquired under the Hazard Mitigation Grant Program will be maintained by the
applicant as openspace. All property acquired in this project will be governed by the following
guidelines from the Code of Federal Regulations, Section 206.434(d):

- (d) Property acquisition and relocation requirements. A project involving property acquisition or the relocation of structures and individuals is eligible for assistance only if the applicant enters an agreement with the FEMA Regional Director that provides assurances that:
1. The following restrictive covenants shall be conveyed in the deed to any property acquired, accepted, or from which structures are removed (hereafter called in section (d) the property):
 - (i) The property shall be dedicated and maintained in perpetuity for uses compatible with open space, recreational, or wetlands management practices; and
 - (ii) No new structure(s) will be built on the property except as indicated below:
 - (A) A public facility that is open on all sides and functionally related to a designated open space or recreational use;
 - (B) A rest room; or
 - (C) A structure that is compatible with open space, recreational, or wetlands management usage and proper floodplain management policies and practices, which the Director approves in writing before the construction of the structure begins.

- (iii) After completion of the project, no application for additional disaster assistance will be made for any purpose with respect to the property to any Federal entity or source, and no Federal entity or source will provide such assistance.
2. In general, allowable open space, recreational, and wetland management uses include parks for outdoor recreational activities, nature reserves, cultivation, grazing, camping (except where adequate warning time is not available to allow evacuation), temporary storage in the open of wheeled vehicles which are easily movable (except mobile homes), unimproved, previous (sic; should read "pervious") parking lots, and buffer zones.
3. Any structures built on the property according to paragraph (d)(1) of this section, shall be floodproofed or elevated to the Base Flood Elevation plus one foot of freeboard.

Any other use of acquired structures or properties must be approved by both the State and Federal Emergency Management Agencies' Directors. (Please contact your State Hazard Mitigation Officer for further details)

Certified this _____ day of _____, _____.
(day) (month) (year)

By _____
(signature of responsible official)

X.

HISTORIC PRESERVATION REVIEW FORM TO BE COMPLETED BY APPLICANTS

Please complete one of these forms for **EACH** project site

Project Type: ☐ In-ground Shelter (or Above-ground Shelter requiring a dug footing or foundation)
☐ Acquisition/Demolition ☐ Community Shelter ☐ Drainage/Flood Control
☐ Elevation ☒ Sirens/Warning Systems ☐ Wind Retrofit

Property address: 348 North McGregor Av., Mobile, Alabama 36608

Latitude: GIVEN ON ATTACHED SHEET Longitude: GIVEN ON ATTACHED SHEET

Required information for In-ground Shelters, Above-ground Shelters requiring a dug footing or foundation, Acquisition/Demolition, Community Shelters, Drainage/Flood Control, Elevation, Sirens/Warning Systems, and Wind Retrofit Projects.

- (1) Township NA Range NA Section NA **PROJECT COVERS COUNTY FROM TOP TO BOTTOM**
- (2) **Attach** a COLOR copy of a U.S. Geological Survey (USGS or quad map) with the site precisely located on it from the "Topozone" website.
 (Go to <http://www.topozone.com/viewmaps.asp> and insert the lat/long site location into the boxes. Hit "Maps and when a map appears, hit "print this map" and it will print a large map with the quadrangle name and the UTM, Lat/Long coordinates (important).
- (3) **Provide** at least one representational photograph of the project area with directional information (east, west, etc.)
- (4) **Answer** the following to the best of your abilities:
 - A. Is the project located in a highway right-of-way? Yes ☒ No MANY OF THEM ARE IN R.O.W.
 - B. Has the ground at the project location been disturbed other than by agriculture?
 Yes ☒ No ☐ Unknown ☐
 If you answered yes to question B please check all that apply:
 Trenching ☒ Grading ☒ Bulldozing ☒ Fill ☒
 Erosion ☐ Landscaping ☐ Other ☐
 - C. To your knowledge, have Indian or historic artifacts (such as arrowheads, old bottles, square nails) been found on or adjacent to the project area? Yes ☐ No ☒

Additional information required for Acquisition/Demolition, Elevation, and Wind Retrofit Projects (NOT required for shelters or drainage projects)

- (5) What is the approximate size of the lot? _____
- (6) Is the building 50 years old or older? Yes ☐ No ☐
 IF "NO" then SKIP questions 7 through 10. IF "YES" then complete the following:
- (7) What was the year of original construction? _____
- (8) If applicable, what were the years of major additions and/or renovations? _____
- (9) **Attach photos** of the front, rear, and side elevations. Also include a photo of the structure in context of the entire street (for perspective).
- (10) Is the project in a local, state, or national historic district? Yes ☐ No ☐ Do not know ☐
 If yes, give the name of the district/site.) _____

Optional: Feel free to elaborate on any of the above questions or add any additional information you think may help the review process of your project. **Attach additional pages if needed. PLEASE SEE ATTACHED PAGE**

APPENDIX "A"

Please do not submit the "Greenbook" with your application.

ALABAMA Greenbook



Environmental Historic Preservation Issues & Contacts for *FEMA-1835-1836-1842-DR-AL*

*ENVIRONMENTAL & HISTORIC PRESERVATION
CONSIDERATIONS AND CONTACTS
FEMA-1835-1836-1842-DR-AL*

The Federal Emergency Management Agency (FEMA) is a partner with the Alabama Emergency Management Agency (AEMA) to assist communities in responding to and recovering from disasters. A part of FEMA's responsibility is to ensure that numerous environmental and historic preservation laws and Executive Orders are met. It is necessary that any applicant receiving FEMA funding comply with all applicable Federal, Tribal, State, and Local laws, regulations, and permits. Failure to comply may jeopardize federal funding. If you have any questions or need technical assistance, please contact AEMA.

DEBRIS MANAGEMENT

Debris removal includes a broad variety of activities eligible under FEMA's Public Assistance Program. Debris can include -

- downed trees and tree limbs (known as vegetative debris);
- building wreckage;
- accumulations of sand, mud, silt, and gravel;
- ruined vehicles; and
- other similar disaster-related materials.

Debris removal may also include -

- clearing debris from roadways;
- collecting debris from public property;
- staging debris temporarily at an approved location;
- segregating types of debris;
- processing debris - usually by chipping, burning, cutting or grinding - to reduce its volume or turn it into something of value; and,
- hauling debris to an approved disposal site - usually a permitted landfill.

Debris Types:

Vegetative debris includes tree stumps, logs, limbs, brush, and leaves, and is not regulated as solid waste in Alabama. Vegetative debris may be disposed of in a variety of ways as discussed on the following page.

Clean storm-displaced sand, mud, silt, and gravel are also not regulated as solid waste. Storm-displaced beach sand may be put back on the beach if it is clean and free of debris; however, the National Flood Insurance Program (NFIP) requires the prior issuance of development permits by the local floodplain administrator for all work within Special Flood Hazard Areas.

Structural debris, also known as Construction/Demolition (C&D) debris, includes materials such as masonry, sheet rock, lumber products, metal, roofing, etc. Structural debris does not include asbestos. C&D debris must be disposed of in landfills specifically permitted to receive such debris.

Household and commercial trash may be disposed of in general municipal landfills. Other types of debris, such as damaged appliances (white goods), scrap tires, batteries, animal carcasses, and ruined vehicles must be handled separately and/or sent to special facilities. Different rules apply to different types of waste. If you have disaster debris that is not vegetative, C&D, or general trash **contact your local county solid waste office or Phil Davis of the Alabama Department of Environmental Management (ADEM) at (334) 271-7755**, for disposal instructions.

NOTE: *FEMA can only reimburse for disaster-generated debris.*

Staging Debris:

Emergency guidelines have been issued by ADEM for handling disaster debris. Counties are allowed to select staging sites without applying for a permit. The staging site will not be subject to regulation as long as all waste is eventually removed from the staging area and the site is restored to near original condition. If debris is not transferred to a permitted facility, the emergency guidelines describe how the site will be regulated. See attached guidelines. Staging sites may be used for a variety of segregation and processing activities, including chipping or burning of vegetative debris. If you need technical assistance on the staging and/or disposal of disaster-related debris contact the ADEM Solid Waste Branch at (334) 271-7988.

NOTE: For FEMA reimbursement, staging sites cannot be located in floodplains (unless authorization is granted by the local or state floodplain administrator), wetlands, historical sites, or other environmentally sensitive areas.

Disposal of Disaster-Related Vegetative Debris by Burning:

ADEM has issued emergency guidelines that allow vegetative debris to be burned if certain conditions are met. See attached burning rule. These rules and local burning regulations must be followed. For additional information about burning vegetative debris, contact Lud Hoffmann of ADEM's Air Division at (334) 271-7879.

Emergency Demolition / Building Repair / Asbestos Removal:

Demolition and renovation of residential homes, commercial and/or public structures, regardless of asbestos content, must be coordinated with ADEM. The applicant is responsible for obtaining and complying with all required permits before engaging in regulated activities. ADEM must be notified before beginning any work involving asbestos-containing materials. Contact Lud Hoffmann at (334) 271-7879 for additional information.

Hazardous Waste Disposal:

If you deal with hazardous waste generated by the storm, contact ADEM for special instructions on what to do. Contact: Ron Shell of the ADEM Land Division at (334) 271-7748.

HISTORIC PRESERVATION*Above-Ground Work / Built Structures:*

Additional considerations are necessary when the disaster area includes historic structures listed in or eligible for listing in the National Register of Historic Places. These structures are subject to Section 106 of the National Historic Preservation Act (NHPA). Projects involving any structure that is 49 years or older, or that otherwise has specific historic cultural significance, must be reviewed under Section 106 before any demolition, construction or permanent repair activity starts. The Alabama Historical Commission (AHC) is involved in reviewing projects under Section 106 of the NHPA in their role as the State Historic Preservation Office.

“In-kind” repair of structures older than 49 years old is eligible for expedited review provided that the repair work meets the following criteria:

- *End result will match all physical and visual aspects of existing historic materials, including form, color and workmanship.*
- *Mortar repair will also match strength, content, color, rake, joint width and tooling of existing historic mortar.*

If an “in-kind” repair, as defined above, is not feasible, then the AHC must participate in review of any such proposed project. To expedite review by the AHC, please note the following in the project application scope of work:

For architectural review of historic and potentially historic structures submit:

1. *A detailed project description describing the property/structure(s).*
2. *The age of the structure if known. If not known, get a copy of the tax card for the structure.*
3. *Exact location/address – road route numbers.*
4. *Current and past use of the structure.*

5. Clear photographs showing the entire structure, hard copy or digital format (no photo copies please).

Below-ground Work / Ground Disturbing Activities / Archeological Resources:

The AHC must review any proposed project that will impact any previously undisturbed areas for archaeological concerns before initiating construction. (e.g., relocating a utility, road realignment, or a borrow material for construction) Please note that plowing or other agricultural impacts are not considered a disturbance and are considered previously undisturbed areas.

For work that involves surface-level or subsurface ground disturbances beyond previously disturbed areas, submit:

- 1. A brief description of all proposed work (include depth for subsurface impacts).*
- 2. An accurate map of the area, with the project location clearly marked (AHC prefers a USGS 7.5 minute topographic quad map whenever available).*
- 3. NOTE – Once approved, if any buried cultural materials are encountered after the work begins, (e.g., wells, cisterns, foundations, basements, prehistoric Indian artifacts, or human burials) cease work and immediately notify FEMA and the AHC.*

Contact: Amanda Hill – AHC, Review and Compliance Section Head - (334) 230-2692.

Activities occurring in previously disturbed areas, as long as they are confined to the limits of the previous disturbance, are allowed without further AHC review. (e.g., repair of water main, same size culvert replacement, or utility repair)

THREATENED AND ENDANGERED SPECIES

The U.S. Department of the Interior, Fish and Wildlife Service (USFWS) and the Alabama Department of Conservation and Natural Resources (ADCNR) are charged with protection of fish and wildlife resources, particularly wetland and upland habitats, as well as threatened and endangered species. In this role, the USFWS and ADCNR provide comments to FEMA regarding the impacts of specific FEMA-funded projects. It is recognized that certain categories of projects typically have no adverse environmental impacts and that a detailed project review by the USFWS and ADCNR is not warranted for such projects. Please contact the Environmental Section at the Joint Field Office (334) 270-3700 if you have questions about these categories.

There are numerous Federal Threatened and Endangered Species within the declared counties. If you believe any state or federal listed or proposed species may be affected (positively or negatively) by your actions, additional information may be obtained from the USFWS and/or ADCNR. Formal consultation may be required.

Contacts:

USFWS

Bill Pearson, Field Supervisor at (251) 441-5181

ADCNR, Division of Wildlife and Freshwater Fisheries

Jim McHugh, Environmental Coordinator at (334) 242-3851 (For project review)

WORK IN WATERWAYS, WETLANDS, AND FLOODPLAINS

Section 401 and 404 Permits / Section 10 Permits:

Sections 401 and 404 of the Clean Water Act (CWA), and Section 10 of the Rivers and Harbors Act, apply to actions affecting waters of the United States. This includes any part of the surface water tributary system (natural waters including small streams, lakes, ponds, and wetlands) as well as isolated manmade waters such as stock tanks and construction or mining pits. ADEM administers Section 401 of the CWA. The U. S. Army Corps of Engineers (USACE) administers Section 404 and Section 10. Examples of actions requiring permits include construction, demolition, and any dredging or filling in any part of surface water tributaries or systems including cutting roads and repair of damaged facilities.

Projects Impacting Waterbottoms or Wetlands

Projects which include potential impacts to waterbottoms or include the dredging and/or filling of wetlands will require permits and/or certifications from ADEM, the USACE, and, in some instances, the State Oil and Gas Board, and/or the ADCNR-State Lands Division. ADEM review of these types of projects is normally initiated when the property owner makes application to the U.S. Army Corps of Engineers.

Some of these projects, such as the construction of residential piers and projects involving minimal wetlands impacts, may be permitted under a pre-certified USACE General or Nationwide Permit and will not require further review by the ADEM. Many projects will require an Individual Permit from the USACE, which will be jointly reviewed by the USACE and ADEM concurrently. This includes:

Shoreline stabilization such as seawalls, bulkheads, jetties, groins and similar structures.

Beach nourishment projects

Major dredging projects

Projects involving more than minimal impacts to wetlands.

Bridges and Culverts:

Obtaining permits is the responsibility of the applicant. Unless it is an emergency action (i.e., immediate threat to life or property), obtaining permits must be done prior to executing any construction. Emergency work still requires follow-up documentation with the USACE/USCG after the action is completed. A permit to work in rivers and/or streams is required for any construction or reconstruction of culverts or bridges.

To obtain information, including securing permits, contact:

- Alabama Department of Environmental Management
 - **Scott Brown, Chief, Coastal Unit, at (251) 432-6533 or email: jsb@adem.state.al.us**
(For Mobile, Baldwin and Washington Counties)
 - **Steven Jenkins, Chief, Field Operations Division, at (334) 394-4382 or email: soj@adem.state.al.us** (all other Counties)
- **U. S. Army Corps of Engineers (USACE)**
Mobile District Office, Regulatory Division
P.O. Box 2288
109 Saint Joseph Street, Mobile, AL 36628-0001
(251) 690-2658
<http://www.sam.usace.army.mil/>

Tennessee Valley Authority (TVA) Act:

Tennessee Valley Authority (TVA) approval must be obtained before any construction activities can be carried out that affect navigation, flood control, or public lands along the shoreline of the TVA reservoirs or in the Tennessee River or its tributaries. Typical structures and projects that require TVA approval include boat docks, piers, boat ramps, bridges, culverts, commercial marinas, barge terminals and mooring cells, water intake and sewage outfalls, and fill or construction within the floodplain.

To obtain information, including securing permits, contact:

Tennessee Valley Authority (TVA)
400 West Summit Hill Drive, WT 11B
Knoxville, TN 37902-1499
Attn: Chuck Nicholson
(865) 632-3582

Executive Order 11988, Floodplain Management:

Any new construction in a floodplain must comply with EO 11988 and must follow the eight-step process, including public notification, as identified in 44 CFR Part 9. For specific information contact:

Your county or city floodplain administrator for specific information, or

Ken Meredith, Alabama National Floodplain Insurance Program (NFIP) Coordinator
(334) 353-0852 Fax: (334) 242-0776

Actions exempt from this EO are debris removal and repairs or replacements under Section 402 of the Stafford Act which are under \$5,000 or actions within existing right-of-way that do not raise existing elevations.

Executive Order 11990, Protection of Wetlands:

Any modification to a wetland must comply with EO 11990 and must follow the eight-step process, including public notification, as identified in 44 CFR Part 9. Debris cannot be stored in a wetland, even temporarily. Debris removal from a wetland and/or any other demolition, repair, or construction within a wetland must be coordinated with the ADEM, USACE, and USFWS.

To obtain information, including securing permits, contact:

Alabama Department of Environmental Management (ADEM)
Scott Brown, Chief, Coastal Unit, at (251) 432-6533 or email: jsb@adem.state.al.us
 (For Mobile, Baldwin and Washington Counties)
Steven Jenkins, Chief, Field Operations Division, at (334) 394-4382 or email: soj@adem.state.al.us
 (All other Counties)

U. S. Army Corps of Engineers (USACE)
Mobile District Office, Regulatory Division
P.O. Box 2288
109 Saint Joseph Street, Mobile, AL 36628-0001
(251) 690-2658
<http://www.sam.usace.army.mil/>

USFWS
Bill Pearson, Field Supervisor at (251) 441-5181

Construction Stormwater Notification

Federal and state regulations regarding discharges of stormwater require operators/owners to apply for and obtain NPDES permit coverage prior to conducting regulated construction disturbance. The rules require an operator/owner to register construction activities and associated areas one (1) acre or greater in size. Construction activities less than 1 acre in size that are part of or associated with a larger plan of development or sale that might eventually exceed one acre, must register. In addition, construction activities less than 1 acre in size that are determined by ADEM to have significant potential to cause or contribute to water quality impairment, may be required to register. NPDES program rules (ADEM Administrative Code 335-6-12) for regulated construction can be viewed and downloaded at <http://www.adem.state.al.us/FieldOps/Permitting/Construction/construction.htm>.

B. COASTAL MANAGEMENT

[Alabama's Coastal Area Management Program \(ACAMP\)](#) regulates various activities on coastal lands and waters seaward of the continuous 10-foot contour in Baldwin and Mobile Counties in Alabama.

Implementation of the ACAMP is shared by the Alabama Department of Conservation & Natural Resources (ADCNR) Coastal Section and the Alabama Department of Environmental Management (ADEM) Coastal Section. ADCNR-Coastal Section is responsible for planning activities while the ADEM-Coastal Section is responsible for the permitting, monitoring, and enforcement activities, as detailed in the ADEM Division 8 Coastal Program Rules (ADEM Administrative Code R.335-8).

ADEM's responsibilities include the review and permitting for the following projects when they occur within the Coastal Area:

- Beach and dune construction projects,
- Developments and subdivision of properties greater than five (5) acres in size,
- Dredging and filling of state water bottoms and wetlands,
- And, other various activities which may have an impact on coastal resources.

For permitting information contact the town or county building official with jurisdiction over your site or ADEM as listed below. For program information, contact ADCNR as listed below.

- **Scott Brown**
ADEM, Coastal Section, Field Operations Division
4171 Commanders Drive, Mobile, AL 36615-1421
(251) 432-6533
- **Phillip Hinesley, Coastal Section Chief, ADCNR, State Lands Division**
(251) 621-1216 Fax: 251-621-1331

CONSULTING AGENCIES SPECIFIC TO THE STATE OF ALABAMA

- AEMA: Alabama Emergency Management Agency (AEMA)
<http://ema.alabama.gov/>

PO Drawer 2160, Clanton, AL 35046
5898 County Road 41, Clanton, AL 35046
Attn: Debbie Peery, State Hazard Mitigation Officer at (205) 280-2476
- ADCNR: Alabama Department of Conservation and Natural Resources (ADCNR)
<http://www.outdooralabama.com/>

ADCNR Division of Wildlife and Freshwater Fisheries
64 North Union Street, Suite 468, Montgomery, AL 36104
Attn: Jim McHugh, Environmental Coordinator at (334) 242-3851

State Lands Division – Director
Attn: James Griggs at (334) 242-3484

State Lands Division – Coastal Section
Attn: Phillip Hinesley at (251) 621-1216

State Lands Division – Natural Heritage Section
Attn: Ms. Jo Lewis at (334) 353-3051
- ADECA/
NFIP: Alabama Department of Economic and Community Affairs (ADECA)
<http://adeca.alabama.gov/Office%20of%20Water%20Resources/default.aspx>

Office of Water Resources (OWR)
P.O. Box 5690, Montgomery, AL 36103-5690
401 Adams Avenue, Suite 434, Montgomery, AL 36104
Attn: Ken Meredith, State NFIP Coordinator at (334) 353-0853
- ADEM: Alabama Department of Environmental Management (ADEM)
<http://www.adem.state.al.us/>

ADEM Field Operations Division
P.O. Box 301463, Montgomery, AL 36130-1463
1400 Coliseum Blvd., Montgomery, AL 36110-2059
Attn: Steven Jenkins, Field Operations Division Director at (334) 394-4304

ADEM Coastal Division
4171 Commanders Drive, Mobile, AL 36615-1421
Attn: Scott Brown, Chief, Coastal Unit at (251) 432-6533
- ADPH: Alabama Department of Public Health (ADPH)
<http://www.adph.org/>

P.O. Box 303017, Montgomery, AL 36130-3017
The RSA Tower, 201 Monroe Street, Montgomery, AL 36104

- ALDOT: Alabama Department of Transportation
<http://www.dot.state.al.us/docs>
 P.O. Box 303050, Montgomery, AL 36130-3050
 1409 Coliseum Blvd., Montgomery, AL 36110
 Attn: Alfredo Acoff, Environmental Coordinator at (334) 242-6143
- AFC: Alabama Forestry Commission (AFC)
<http://www.forestry.state.al.us/>
 State Headquarters, 513 Madison Avenue, Montgomery, AL 36130-2550
- SHPO: Alabama Historical Commission (AHC)
<http://www.preserveala.org/>
 Colonel (Ret.) John A. Neubauer, State Historic Preservation Officer (SHPO)
 468 South Perry Street, Montgomery, AL 36130
 Attn: Amanda Hill, Section Head – Review and Compliance, at (334) 230-2692
- THPO: Poarch Band of Creek Indians
<http://www.poarchcreekindians.org/xhtml/index.htm>
 5811 Jack Springs Road, Atmore, AL 36502
 Attn: Robert Thrower, Tribal Historic Preservation Officer (THPO) at (251)368-9136
- TVA: Tennessee Valley Authority (TVA)
<http://www.tva.gov/>
 400 West Summit Hill Drive, WT 11B
 Knoxville, TN 37902-1499
 Attn: Chuck Nicholson at (865) 632-3582
- USACE: U.S. Army Corp of Engineers (USACE)
<http://www.sam.usace.army.mil/>
 Mobile District – Regulatory Division
 P.O. Box 2288, Mobile, AL 36628-0001
 109 Saint Joseph Street, Mobile, AL 36602
 (251) 690-2658
 Nashville District
 P.O. Box 1070, Nashville, TN 37202-1070
 (615) 736-5181 (For Tennessee River watershed only)
<http://www.lrn.usace.army.mil/>

USCG: U.S. Coast Guard (USCG)
<http://homeport.uscg.mil/mycg/portal/ep/portDirectory.do?tabId=1&cotpld=37>

Sector Mobile
Brookley Complex, Bldg. 102
South Broad Street, Mobile, AL 36615-1309
Attn: Lt. Jonathan Mangum at (251) 441-5508

USDA /
NRCS: U.S. Department of Agriculture (USDA)
Natural Resources Conservation Service (NRCS)
<http://www.nrcs.usda.gov/>

Alabama State Office
P.O. Box 311, Auburn, AL 36830
3381 Skyway Drive, Auburn, AL 36830
Attn: Charles Love, State Soil Scientist at (334) 887-4517

HUD: U.S. Department of Housing and Urban Development (HUD)
<http://www.hud.gov/local/index.cfm?state=al>

Birmingham Field Office
Medical Forum Building
950 22nd Street North, Suite 900, Birmingham, AL 35203
Attn: Cindy Yarborough, Field Office Director at (205) 731-2617

DOI/
FWS: U.S. Department of Interior (DOI)
<http://www.fws.gov/daphne/>

Fish and Wildlife Service (USFWS)
1208-B Main Street, Daphne, AL 36526
Attn: Bill Pearson, Field Supervisor at (251) 441-5181

NOAA/
NMFS: U.S. National Oceanic & Atmospheric Administration (NOAA)
National Marine Fisheries Service (NMFS)
Southeast Regional Office – St. Petersburg, FL
<http://sero.nmfs.noaa.gov/>

Panama City Field Office
3500 Delwood Beach Road, Panama City, FL 32408
Attn: Mark Thompson at (850) 234-5061